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## LENOVO THINKCENTRE M90Z, PREMIUM ENTERPRISE-LEVEL COMPUTING BUILT IN AN ALL-IN-ONE DESKTOP

The ThinkCentre M90z All-In-One (AIO) desktop is the perfect answer for today's large enterprises that demand strong computing, delivered with a more energy-efficient, space-saving and greener machine. Integrated into a single unit, the ThinkCentre M90z promises a well-organized, clutter-free work environment along with an optional wireless keyboard and mouse. The ThinkCentre M90z is powered by the all-new 2010 Intel® Core™ processors and comes coupled with the outstanding Lenovo Enhanced Experience for Windows® 7. Empowering large PC fleets, the ThinkCentre M90z provides a premium, yet fresh computing experience.

Features offered with the ThinkCentre M90z take enterprise-level computing to a whole new level. To enhance the VoIP experience, the ThinkCentre M90z can come with a built-in 2 MP HD webcam<sup>1</sup> and array microphones<sup>1</sup>, providing seamless video conferencing capabilities. These optional built-in microphones and webcam are now simple to operate with a physical mute button<sup>1</sup> and a webcam on/off switch<sup>1</sup>, enabling companies to work without worrying about unwanted disturbances and spying. To help boost employee productivity, the ThinkCentre M90z supports a dual display mode, providing you with more screen space to manage your work with ease. This AIO desktop can also function as a standalone monitor through a VGA input, a convenience that allows you to work with your ThinkPad on two screens!

The ThinkCentre M90z is the world's first AIO with a TCO Edge Certification! This remarkable AIO desktop is manufactured using 41.8%<sup>2</sup> Post Consumer Content (PCC), which uses less virgin plastic, thereby reducing the environmental impact. The ThinkCentre M90z desktop also fully complies with stringent green standards such as EPEAT® Gold<sup>3</sup>, ENERGY STAR®<sup>3</sup> and GREENGUARD® Certification. The intelligent auto-brightness<sup>1</sup> control automatically detects the surrounding light conditions and accordingly adjusts the brightness. This feature helps conserve energy, saving up to \$8<sup>6</sup> more on your energy bills<sup>5</sup>.

Further, the exceptional ThinkCentre M90z is less dependent on IT support with an easy-to-service, tool-less chassis that enables end users to quickly access and upgrade the memory and the hard drive. Equipped with features such as the Intel® vPro™ technology<sup>3</sup>, the ThinkVantage® Technologies suite, the Trusted Platform Module and the Hardware Password Manager<sup>4</sup>, this ThinkCentre M90z makes managing a PC fleet simpler and more economical. With more than 12 months' stability, you achieve a great user experience with improved performance.

The ThinkCentre M90z AIO incorporates the latest technology, along with optimum security and manageability features to offer the convenience of a traditional desktop and the comfort of an All-In-One!

### TOP REASONS TO OWN

#### THE LENOVO® THINKCENTRE® M90z ALL-IN-ONE DESKTOP

- EQUIPPED WITH THE ALL-NEW 2010 INTEL® CORE™ PROCESSORS
- FULL HD SCREEN WITH DUAL DISPLAY SUPPORT
- DESIGNED TO PROVIDE MORE SPACE-SAVING AND CLUTTER-FREE WORKSPACE
- WORLD'S FIRST TCO EDGE CERTIFIED AIO IN THE PC INDUSTRY
- MAXIMUM POWER SAVINGS OVER US \$54.72 PER ANNUM<sup>5</sup>
- GREEN IT OPTIONS INCLUDING AN AUTO-BRIGHTNESS FUNCTION<sup>1</sup> FOR COMPANY-WIDE ENERGY EFFICIENCY
- VOIP OPTIONS INCLUDING EXCELLENT VIDEO-CONFERENCING CAPABILITIES FOR SIMPLE AND QUICK COMMUNICATION<sup>1</sup>



<sup>1</sup> Optional

<sup>2</sup> Calculation based on EPEAT® standard as reference. ThinkCentre M90z, plus optional fingerprint keyboard, has about 41.8% post consumer content (PCC) in its plastic parts

<sup>3</sup> Select models only

<sup>4</sup> Sold separately

<sup>5</sup> Comparing a ThinkCentre M90z versus a ThinkCentre M52 and ThinkVision L2440P with Power Manager deployed and idle screen off. Based on energy cost of \$0.103/kWh: Energy Information Administration, Annual Energy Outlook 2009 (early release edition)

<sup>6</sup> ThinkCentre auto-brightness control allows an extra energy savings of 79.46 kWh. Based on energy costs of \$0.103/kWh – Energy Information Administration, Annual Energy Outlook 2009 (early release edition). Final data may vary.

#### LENOVO ENHANCED EXPERIENCE FOR WINDOWS® 7.

##### FAST. SECURE. BUILT FOR BUSINESS.

Discover a better way of doing business with the new Lenovo Enhanced Experience for Windows® 7 on Think-branded PCs. Faster, more durable and greener Think-branded PCs are optimized for Windows® 7 to deliver improved ease of use. It enhances productivity and foolproof security that your business cannot do without.

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## SUPERIOR END-USER EXPERIENCE

- Full HD screen with dual display support
- Space-saving and clutter-free design
- Standalone display capable through VGA input
- Simple Tap software for improved multi-touch capability
- Height adjustable stand<sup>2</sup>
- Easy-to-carry handle
- 2 MP HD webcam<sup>2</sup> and digital array microphones<sup>2</sup>
- Ease-of-use design – physical mute button<sup>2</sup> for microphone and webcam on/off switch<sup>2</sup>

## ENVIRONMENTALLY FRIENDLY FEATURES

- First AIO PC with a TCO Edge Certification
- Significant savings on power costs<sup>1</sup> – save over US \$54.72 per year
- Up to 41.8% post consumer content (PCC)<sup>3</sup>
- Reusable bag (TopSeller model)
- Auto-brightness control<sup>2</sup> – saving up to \$8 more on your energy bills<sup>4</sup>
- EPEAT® Gold<sup>4</sup> and ENERGY STAR® 5.0<sup>4</sup>
- Lenovo exclusive GREENGUARD® Certification

## MANAGEABILITY AND SECURITY FEATURES

- Intel® vPro™ technology<sup>4</sup>
- ThinkVantage® Technologies support
- Trusted Platform Module feature
- Hardware Password Manager<sup>5</sup> capable

## RELIABLE FEATURES

- All new 2010 Intel® Core™ processors offering Turbo Boost Technology
- Quick servicing with an easy-access component layout

<sup>1</sup> Comparing a ThinkCentre M90z versus a ThinkCentre M52 and ThinkVision L2440P with Power Manager deployed and idle screen off. Based on energy cost of \$0.103/kWh: energy Information Administration, Annual Energy Outlook 2009 (early release edition)

<sup>2</sup> Optional

<sup>3</sup> Calculation based on EPEAT standard as reference. ThinkCentre M90z, plus optional fingerprint keyboard, has about 41.8% post consumer content (PCC) in its plastic parts

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## SERVICE OFFERINGS

### THINKPLUS® SUPPORT

Lenovo offers unequalled service excellence that lowers overall IT support costs and repair expenses.

- **Base Warranty Service:** Provides Lenovo standard award-winning service and support
- **ThinkPlus Warranty Extension and Upgrade:** Protects investment and increases productivity with the enhanced service-level upgrade and term extension
- **ThinkPlus Priority Support:** Provides technical support for the business – increases helpdesk productivity with 24 X 7 advanced-level technical support and service call-tracking tools
- **ThinkPlus Priority 4:** Offers enhanced on-site response within 4 hours for critical IT support needs

### THINKPLUS® PROTECTION

Protects your data from the unexpected from the unexpected – saves money, reduces hassles and offers peace-of-mind.

- **Hard Disk Drive Retention (HDDR):** Allows you to retain your hard drive if it fails and thus protects data from falling into the wrong hands

### THINKPLUS® ENTERPRISE SOLUTIONS

Offer peace-of-mind with Lenovo as a single-point-of-contact – manages infrastructure, consolidates contracts and streamlines the number of vendors.

- **Lenovo Imaging Services:** Provides security – the protection bundle includes Next Business Day (NBD) on-site service and ThinkPad Protection
- **Lenovo Asset Recovery Services:**  
Recover value from old assets and help you dispose, data securely – turns old PC trash into cash

SI No.	Program	Base Warranty	Upgrade Service Description	US Part Number
1	Warranty	3-year Onsite	4-year Onsite	55Y9580
2	Warranty	3-year Onsite	5-year Onsite	55Y9581
3	Warranty	3-year Onsite	+ 9x5x4	41C9192
4	Warranty	3-year Onsite	+ 24x7x4	41C9193
5	Warranty	3-year Onsite	4-year Onsite 9x5x4	41C9195
6	Warranty	3-year Onsite	4-year Onsite 24x7x4	41C9196
7	HDDR	3-year Onsite	+ 3-year HDDR	43R2157
8	HDDR	3-year Onsite	4-year Onsite + 4-year HDDR	43R8831
9	HDDR	3-year Onsite	5-year Onsite + 5-year HDDR	45J8404
10	PRI	3-year Onsite	3-year Priority Enterprise	45J9088
11	PRI	3-year Onsite	4-year Priority Enterprise + 4-year Onsite	45J9089
12	PRI	3-year Onsite	5-year Priority Enterprise + 5-year Onsite	45J9090
13	PRI	3-year Onsite	4-year Priority Enterprise	55Y3612
14	PRI	3-year Onsite	5-year Priority Enterprise	55Y3616

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## THE LENOVO® THINKCENTRE® M90z ALL-IN-ONE DESKTOP SPECIFICATIONS.

DESCRIPTION	M90z	
<b>Processors</b>	<ul style="list-style-type: none"> <li>Intel® Core™ i5-6x0 1333MHz 4T/dual core/4M/73W/ Turbo LGA 1156</li> <li>Intel® Core™ i3-5x0 1333MHz 4T/dual core/4M/73W/ LGA 1156</li> <li>Intel® Pentium® G6950 1066MHz/dual core/3M/73W/ LGA 1156</li> </ul>	
<b>Preloaded Operating Systems</b>	<ul style="list-style-type: none"> <li>Genuine Windows® 7 Professional (32-bit)</li> <li>Genuine Windows® 7 Professional (64-bit)</li> <li>Genuine Windows® 7 Home Premium (32-bit)</li> <li>Genuine Windows® 7 Home Premium (64-bit)<sup>7</sup></li> <li>Genuine Windows® 7 Home Basic (32-bit)</li> <li>Genuine Windows® XP Professional SP3 pre-installed through downgrade rights from Genuine Windows Vista® Business or Genuine Windows® 7</li> </ul>	
<b>Chipset</b>	Intel® Q57 chipset	
<b>Form Factor</b>	All-in-One	
<b>Machine Type</b>	0800, 0852, 2471, 2557, 3091, 3265, 3373, 3429, 3650, 3678, 4285, 5205 and 5248	
<b>Serial ATA Hard Drive</b>	<ul style="list-style-type: none"> <li>160GB, 250GB, 320GB, 500GB 7200 RPM SATA</li> <li>1TB 7200 RPM SATA<sup>8</sup></li> <li>80 GB flash solid state drive<sup>8</sup></li> <li>150 GB 10k PRM<sup>8</sup></li> </ul>	
<b>Memory</b>	<ul style="list-style-type: none"> <li>1GB/2GB 1333 MHz DDR3 SoDIMM</li> <li>Up to 4GB memory</li> </ul>	
<b>Optical Drive</b>	<ul style="list-style-type: none"> <li>Slim DVD-ROM</li> <li>Slim DVD Recordable</li> </ul>	
<b>Integrated Communications</b>	Intel® 82578DM, 10M/100M/1000M Gigabit Ethernet	
<b>WiFi</b>	<ul style="list-style-type: none"> <li>Intel® Centrino® Wireless-N100</li> <li>Intel® Centrino® Ultimate-N6300</li> </ul>	
<b>Bluetooth</b>	<ul style="list-style-type: none"> <li>QMI 9WBM102QCE01Q<sup>2</sup></li> <li>Qcom QBT410UB-01<sup>2</sup></li> </ul>	
<b>Ports</b>	<ul style="list-style-type: none"> <li>(6) High speed USB 2.0 (2 side/4 rear)</li> <li>(2) Side audio ports: headphone and microphone</li> <li>(2) PS/2 ports<sup>2</sup></li> <li>(1) Serial<sup>2</sup></li> <li>(1) Integrated display port</li> <li>(1) VGA-in</li> <li>(1) RJ-45</li> <li>(1) AC-in</li> </ul>	
<b>Slots</b>	<ul style="list-style-type: none"> <li>(1) Mini PCI-e x 1 slot</li> <li>(1) Express card slot<sup>2</sup></li> </ul>	
<b>Bays</b>	<ul style="list-style-type: none"> <li>(1) Internal HDD Bay 3.5 inch</li> <li>(1) Internal ODD Bay 5.25 inch</li> </ul>	
<b>Display</b>	Integrated 23-inch widescreen (16:9)	
<b>Web Camera</b>	2 mega pixel USB webcam with array microphones <sup>2</sup>	
<b>Power Supply</b>	150 W 85 plus (auto-sensing)	
<b>Dimensions (HxWxD) mm</b>	<ul style="list-style-type: none"> <li>443 x 560 x 116 (with multi-touch, with frame stand)</li> <li>443 x 560 x 109 (without multi-touch, with frame stand)</li> <li>443 x 560 x 250 (with lift stand)</li> </ul>	
<b>Keyboard</b>	<ul style="list-style-type: none"> <li>Lenovo® Preferred Pro Full-size Keyboard</li> <li>Preferred Pro Fingerprint Keyboard</li> <li>Lenovo® Ultraslim Wireless Keyboard<sup>2</sup></li> <li>ThinkPad® USB Keyboard with TrackPoint®<sup>8,2</sup></li> </ul>	
<b>Mouse</b>	<ul style="list-style-type: none"> <li>USB Optical Wheel Mouse</li> <li>Lenovo® Ultraslim Wireless Mouse<sup>2</sup></li> </ul>	
<b>Graphics Card</b>	Intel® GMA HD (integrated)	
<b>Security</b>	<ul style="list-style-type: none"> <li>TPM 1.2 chip</li> <li>USB individual disable/enable</li> <li>Computrace® support</li> <li>Kensington slot</li> <li>Chassis intrusion switch<sup>2</sup></li> </ul>	
<b>Limited Warranty</b>	Up to 3 years	
<b>Preloaded Software</b>	<ul style="list-style-type: none"> <li>Adobe® Acrobat® Reader®</li> <li>Acrobat® Flash® Player</li> <li>Skype™</li> <li>PC-Doctor for WinPE</li> <li>SUN™ JRE™</li> <li>Corel® Burn SE Lenovo Edition</li> <li>Corel® DVD MovieFactory® 7 Lenovo Edition</li> <li>InterVideo WinDVD</li> <li>Microsoft® Office Professional 2007 (60-day trial version)</li> <li>Norton Internet Security 2009</li> <li>ThinkVantage® Rescue and Recovery®</li> <li>ThinkVantage® Product Recovery</li> <li>ThinkVantage® ClientSecurity Solution (Web delivery only)</li> <li>ThinkVantage® Password Manager</li> <li>ThinkVantage® Power Manager</li> <li>Lenovo® ThinkVantage® Toolbox</li> <li>ThinkVantage® System Update (up to 3 years)</li> </ul>	

<sup>6</sup> The ThinkCentre M90z supports both 1066 MHz and 1333 MHz DDR3 memory modules. For example: if you are using the 1333 MHz memory module(s) with a microprocessor that runs at 1066 MHz (such as the Intel® Pentium® G6950 microprocessor), your memory module(s) will operate at 1066 MHz.

<sup>7</sup> For Hong Kong only

<sup>8</sup> For special bid only

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## THE LENOVO® THINKCENTRE® M90z ALL-IN-ONE DESKTOP TOP OPTIONS



### **LENOVO ULTRASLIM WIRELESS KEYBOARD AND MOUSE (57Y4700)**

Reliable 2.4GHz Wireless resistant keyboard and mouse combination; contemporary, low profile design

### **LENOVO FINGERPRINT USB KEYBOARD (73P4730)**

Replace Windows passwords with fast, secure access using your fingerprint



### **THINKPAD® USB KEYBOARD WITH TRACKPOINT® (55Y9003)**

Save valuable desk space; 30% narrower than a full-size keyboard – measures 12.5-inches (315 mm) wide. Eliminates an external mouse with the integrated Trackpoint

[www.lenovo.com/support/keyboards](http://www.lenovo.com/support/keyboards)



### **THINKCENTRE M90z HEIGHT ADJUSTABLE STAND (57Y4351)**

Easily adjust the ThinkCentre system to help improve viewing comfort. Adjustments include: 110mm height adjustment and 30 degrees (25 back, 5 forward) tilt adjustment

[www.lenovo.com/support/stands](http://www.lenovo.com/support/stands)



### **THINKPAD IN-EAR HEADPHONES (57Y4488)**

High-quality voice and audio performance in a comfortable, lightweight design with discreet hands-free inline microphone for clear communications



### **KENSINGTON SECURITY CABLE LOCK BY LENOVO (73P2582)**

Help reduce theft, increase physical asset security

[www.lenovo.com/support/security](http://www.lenovo.com/support/security)



### **PC3-10600 DDR3-1333 SODIMM LOW-HALOGEN MEMORY**

Low-cost method to boost system performance  
1GB (55Y3709), 2GB (55Y3710), 4GB (55Y3711)



### **GEMPLUS 54MM EXPRESSCARD SMART CARD READER FROM LENOVO (41N3043)**

Control access to databases, corporate computer networks

[www.lenovo.com/support/security](http://www.lenovo.com/support/security)



### **LENOVO USB-TO-DVI MONITOR ADAPTER (45K5296)**

HD Resolution and multiple monitors, is just as simple USB connection away

[www.lenovo.com/support/monitoraccessories](http://www.lenovo.com/support/monitoraccessories)



### **LENOVO LASER MOUSE (41U3074)**

High performance, fully programmable, superior comfort laser mouse

[www.lenovo.com/support/mice](http://www.lenovo.com/support/mice)



### **LENOVO DISPLAYPORT TO SINGLE-LINK DVI-D MONITOR CABLE (45J7915)**

Attach existing DVI-D digital 1920 x 1200 resolution monitor to DisplayPort

[www.lenovo.com/support/monitoraccessories](http://www.lenovo.com/support/monitoraccessories)



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